

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Cancelled)
2. (Currently Amended) The circuit of claim 4 8, wherein the voltage generator includes a resistor having a temperature dependent resistance.
3. (Cancelled)
4. (Currently Amended) The circuit of claim 2 9, wherein the temperature dependent resistance of the resistor increases as the temperature increases, and decreases as the temperature decreases.
- 5-7. (Cancelled)

8. (Currently Amended) A circuit for providing a refresh cycle for a memory device, comprising:

- a first current generator providing a first current in response to a constant voltage;
- a voltage generator providing a temperature dependent voltage;
- a second current generator providing a second current in response to the temperature dependent voltage; and
- a frequency generator providing a frequency in response to the sum of the first and second currents, the frequency generator comprising a comparator and a capacitor.

9. (Original) The circuit of claim 8, wherein the voltage generator includes a current source, a resistor having a temperature dependent resistance, and an output terminal coupled between the current source and the resistor.

10. (Original) The circuit of claim 9, wherein the second current generator includes a transistor having a gate coupled to the output terminal.

11. (Original) The circuit of claim 8, wherein the second current is turned off at a predetermined temperature.

12-24. (Cancelled)